

Patent Abstracts of Japan

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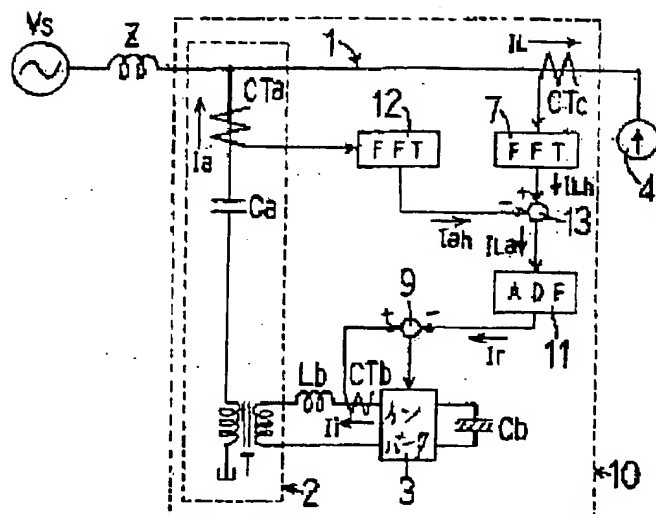
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APPLICANT : NISSIN ELECTRIC CO LTD;

INVENTOR : MASAGAKI MIYOKAZU;

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TITLE : CONTROL METHOD FOR ACTIVE FILTER



ABSTRACT : PROBLEM TO BE SOLVED: To provide a control method for an active filter, in which even if a temperature and a system condition are changed, the command value of an inverter circuit is automatically corrected, so as to follow their change and which prevents a compensation rate from being lowered.

SOLUTION: An inverter current I_i is injected into an injection circuit part 2 connected to a system bus 1, and an active filter 10 which offsets a harmonic current I_{Lh} in a load 4 is controlled. At this time, an error I_{ah} between a harmonic current I_{aH} which is detected from an active-filter output current I_a in the injection circuit part 2 and the harmonic current I_{Lh} is detected, so as to be input to an FIR-type adaptive filter 11. While a filter factor is being updated, a filter characteristic is changed so as to become a minimum error. A command value I_r is sent out to an inverter 3 from the adaptive filter 11.

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